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REMARKS

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This is intended as a full and complete response to the Office Action dated May 22, 2006, having a shortened statutory period for response set to expire on August 22, 2006.

Claims 8 and 13 is cancelled from the Application.

Claims 1 and 4 are currently amended in the Application

Claims 1-7 and 9-12 are pending in the Application.

I. Drawing Objections

The Office Action objected to the drawings under 37 CFR § 1.83(a).

To obviate this rejection Applicant submits an amended Figure 1 to show every feature of the invention specified in the claims. Applicant does not believe that any new matter has been added. Reconsideration of the amended figure is respectfully requested.

II. Claim Objections

Claims 4 and 8 stand objected to for informalities.

Applicant has amended the Claims as per the Examiners suggestions. Applicant does not believe that new matter was added with these amendments. Reconsideration of these claims in view of the amendments is respectfully requested.

III. Claim Rejections - 35 USC § 112

Claim 2 stands rejected under 35 U.S.C. § 112, first paragraph as failing to comply with the enablement requirement

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Applicant contends that Horizon binning is a known technique. In addition, Applicant's own patent 6,865,521 Method for Horizon Binning for an Area of Interest as evidence of this. Applicant has additionally added this reference in the specification.

Claims 3-5 stand rejected under 35 U.S.C. § 112, first paragraph as failing to comply with the enablement requirement.

Applicant notes that to load the attribute file, there are at least two geographic coordinates, latitude/longitude etc which are loaded to the processor. Inputting must occur first. However, step (c) notes that there are two data files of geographic coordinates have been input, and now in step (c) compares the two.

It would be impossible to compare the two geographic coordinates without having first input the geographic coordinates a the attribute file. [Paragraph 0036] refers to geographic locations which are conventionally identified as latitude and longitude in an attribute file. Note that Figures 2 and Figure 3 provide the two geographic indicators of the attribute file the two geographic coordinates are defines by the axis for the geographic location G. Paragraph [0038] states for these two Figures that those geographic indicators elements 10 "depicts the first coordinate direction and element 11 depicts the second coordinate direction". A geographic location in Figure 2 is depicted by a element 24. Further paragraph 0039 states clearly that "the axis set illustrates the two coordinate direction and applies to both the horizon file and the attribute file.

Claims 1-13 stand rejected under 35 U.S.C. § 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant has incorporated claim 13 into claim 1 to overcome this rejection.

Claim 1 is rejected to insufficient antecedent basis.

Applicant has amended claim 1 to demonstrate proper antecedent basis.

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Claims 1-13 stand rejected under 35 U.S.C. § 112, second paragraph as being incomplete for omitting essential elements.

..... This data is actually referenced in figures 2 and 3. Figures 2-3 indicate that data in the attribute file data and data in the horizon file are shown as single value contour maps. The data taken at an index location, such as at location 14 (location G), is the value of the contour data or the original data at 14. As such, the attribute file data at the index can be used to form an attribute file. For example, see Brown, A. R., "Interpretation of Three-Dimensional SeismicData," AAPG Memoir 42, 1886 attachment A which indicates that it is well known how data at an index location can be used to form an attribute file, see pages 82, 83, 91-97, 100-104 and 139-146. Given that this type of indexing is well known and has been widely practiced since the early 1980's, applicant believes this should overcome the Section 112 concern.

IV. Claims Rejections – 35 USC § 101

Claims 1-13 stand rejected under 35 U.S.C. § 101, because the claimed invention is directed to non-statutory subject matter.

Applicant has amended this error in amended Claim 1. Applicant does not believe that new matter was added with these amendments. Reconsideration of these claims in view of the amendments is respectfully requested.

V. Claims Rejections – 35 USC § 102

Claims 1-13 stand rejected under 35 U.S.C. § 102(c), as being anticipated by *Pisetski et al.* (US Patent No. 6,498,989).

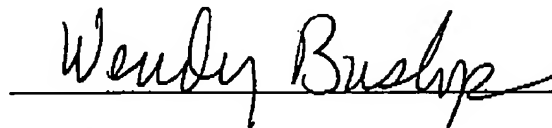
Applicant once again appreciates Examiner Ali Mohammad for allowing this Application. Applicant has taken Examiners suggestions from the telephonic interview on July 31, 2006 and incorporated Claim 8 into Claim .

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Reconsideration of this Application with the amended claims in view of the remarks expressed throughout this Response is respectfully requested.

Respectfully submitted,

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